[redacted] STATINTL

STATINTL

DATE 23 December 1965

TO [redacted]

FROM [redacted] STATINTL

SUBJECT 4x5 Chip Processor Evaluation Program

COPIES

In response to several questions posed by our customer concerning subject program, will you please advise him in your official capacity as company representative as follows.

Reference: Our Proposal Evaluation Program for the 4x5 Chip Processor, dated 11 November 1965. Three (3) copies attached.

Under Phase II, Items 2 and 3, page 3, we do intend to utilize resolution targets and gray scale exposures as well as the step wedges mentioned in Item 2.

Further, we plan to use only the manufacturers recommended standard chemistry solutions for the various emulsions to be tested. In the event that satisfactory results are not obtainable with these standard solutions, we would then run a minimum amount of special chemistry runs to determine the direction in which the chemistry must be changed in order to obtain satisfactory results (Ref. Ph II, Item 4).

A check will be made to determine the adequacy of the replenishment system in maintaining the desired ph level required to obtain the theoretical results as dictated by the fixed speed, time in bath, and temperature of the machine.

In reference to Evaluation of Processed Material, page 4, Item No. 3, the "Freedom from physical damage" inspection will include a microscopic examination of the processed chips to determine not only the presence of physical damage, but also to determine if possible, the presence of any observed damage.

In respect to Gamma, page 5, item 5, we will plot the resultant H & D curves as stated. However, since this machine incorporates a fixed transport speed and operating temperature, we will make exposures over a given range and then make a comparison of the curves obtained to standard curves to determine if the processor is capable of producing the gamma required for the intended use of the film chips.

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If the customer should have any other questions, or desire any further amplification, please advise.

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MCM:ml